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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robertson, et al.  
Filing Date : Concurrently Herewith  
International Appln. No. : PCT/GB03/01284  
International Filing Date : 26 March 2003  
Priority Date(s) : 28 March 2002  
For : MEDICAL IMAGING APPARATUS  
Attorney Docket No. : MC1-7307  
  
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INFORMATION DISCLOSURE STATEMENT

Sir:

This information disclosure statement is being filed to fulfill the duty of candor and good faith toward the Patent and Trademark Office in accordance with 37 CFR §1.56.

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Copies of the items and PTO Form 1449 have been attached.

U.S. PATENT DOCUMENTS

- U.S. Patent No. 3,622,888 (ROBERT, ET AL.)
- U.S. Patent No. 4,407,292 (EDRICH, JOCHEN)
- U.S. Patent No. 4,557,272 (CARR, KENNETH L.)
- U.S. Patent No. 4,774,961 (CARR, KENNETH L.)
- U.S. Patent No. 5,688,050 (STERZER, ET AL.)
- U.S. Patent No. 5,785,426 (WOSKOV, ET AL.)
- U.S. Patent No. 5,983,124 (CARR, KENNETH L.)

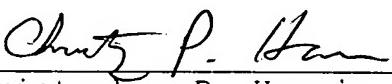
OTHER DOCUMENTS

- International Search report for PCT/GB03/01284 completed 11 July 2003
- ROGER APPLEBY, DAVID G. GLEED and RUPERT N. ANDERTON, "High Performance Passive Millimetre Wave Imaging", Defence Research Agency, St. Andrews Rd., Gt. Malvern, Worcs WR14 3PS, UK. ALAN H. LETTINGTON, J.J. THOMSON, Physical Laboratory, Reading University, Whiteknights, PO Box 220, Reading, RG6 2AF, UK
- S. GABRIEL, R W LAU and C. GABRIEL, "The Dielectric Properties of Biological Tissues: III. Parametric Models for the Dielectric Spectrum of Tissues", Physics Department, King's College, Strand, London WC2R 2LS, UK Phys. Med. Biol. 41 (1996) 2271-2293
- C. GABRIEL, S. GABRIEL and E. CORTHOUT, "The Dielectric Properties of Biological Tissues: I. Literature Survey", Phys. Med. Biol. 41 (1996) 2231-2249
- S. GABRIEL, R. W. LAU and C. GABRIEL, "The Dielectric Properties of Biological Tissues: II. Measurements in the Frequency Range 10 Hz to 10 GHz", Phys. Med. Biol. 41 (1996) 2251-2269
- ROBERT K. CACAK, DANIEL W. WINANS, JOCHEN EDRICH and WILLIAM R. HENDEE, "Millimeter Wavelength Thermographic Scanner", Med. Phys. 8(4), July/August 1981
- B. BOCQUET, J.C. VAN DE VLEDE, A. MAMOUNI, Y. LEROY, G. GIAUX, J. DELANNOY and D. DELVALEE, "Microwave Radiometric Imaging at 3 GHz for the Exploration of Breast Tumors", IEEE Transactions on Microwave Theory and Techniques, Vol. 38, No. 6, June 1990

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- DAVID M. SHEEN, DOUGLAS L. MCMAKIN and THOMAS E. HALL,  
*"Three-Dimensional Millimeter-Wave Imaging for Concealed Weapon Detection"*, IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No. 9, September 2001

Respectfully submitted,

  
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Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>					<b>Complete if Known</b>	
					Application Number	10/1509509
					Filing Date	Herewith
					First Named Inventor	Duncan Alexander ROBERTSON
					Art Unit	
					Examiner Name	
Sheet	1	of	2		Attorney Docket Number	MC1-7307

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code-Number-Kind Code (If Known)			T <sup>6</sup>

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<p>Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)</p>				<b>Complete if Known</b>	
				Application Number	10/509509
				Filing Date	Herewith
				First Named Inventor	Duncan Alexander ROBERTSON
				Art Unit	
Examiner Name					
Sheet	2	of	2	Attorney Docket Number	MC1-7307

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		International Search report for PCT/GB03/01284 completed 11 July 2003	
		ROGER APPLEBY, DAVID G. GLEED and RUPERT N. ANDERTON, "High Performance Passive Millimetre Wave Imaging", Defence Research Agency, St. Andrews Rd., Gt. Malvern, Worcs WR14 3PS, UK. ALAN H. LETTINGTON, J.J. THOMSON, Physical Laboratory, Reading University, Whiteknights, PO Box 220, Reading, RG6 2AF, UK	
		S. GABRIEL, R. W. LAU and C. GABRIEL, "The Dielectric Properties of Biological Tissues: III. Parametric Models for the Dielectric Spectrum of Tissues", Physics Department, King's College, Strand, London WC2R 2LS, UK Phys. Med. Biol. 41 (1996) 2271-2293	
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		S. GABRIEL, R. W. LAU and C. GABRIEL, "The Dielectric Properties of Biological Tissues: II. Measurements in the Frequency Range 10 Hz to 10 GHz", Phys. Med. Biol. 41 (1996) 2251-2269	
		ROBERT K. CACAK, DANIEL W. WINANS, JOCHEN EDRICH and WILLIAM R. HENDEE, "Millimeter Wavelength Thermographic Scanner", Med. Phys. 8(4), July/August 1981	
		B. BOCQUET, J.C. VAN DE VLEDE, A. MAMOUNI, Y. LEROY, G. GIAUX, J. DELANNOY and D. DELVALEE, "Microwave Radiometric Imaging at 3 GHz for the Exploration of Breast Tumors", IEEE Transactions on Microwave Theory and Techniques, Vol. 38, No. 6, June 1990	
		DAVID M. SHEEN, DOUGLAS L. MCMAKIN and THOMAS E. HALL, "Three-Dimensional Millimeter-Wave Imaging for Concealed Weapon Detection", IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No. 9, September 2001	

Examiner Signature	Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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